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☐	L40	L39 and 709/2$$.ccls.	277
☐	L39	L37 and L28	709
☐	L38	L37 and L32	0
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☐	L35	(manag$4 or control$4 or supervis$4) same (resource$ or data or information) and ((monitor$ same (avail$4 or status)) and (email or e-mail or electronic mail) near4 server) and L4	2

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☐	L33	L32 and 705/1$.ccls.	5
☐	L32	L31 and 709/2$$.ccls.	481
☐	L31	(manag$4 or control$4 or supervis$4) same (resource$ or data or information) and ((monitor$ same (avail$4 or status)) and (email or e-mail or electronic mail) near4 server)	1692
☐	L30	L29	0
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☐	L29	(manag$4 or control$4 or supervis$4) same (resource$ or data or information) and ((monitor$ same (avail$4 or status)) and (email or e-mail or electronic mail) near4 server)	0
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☐	L28	(manag$4 or control$4 or supervis$4) same (resource$ or data or information) and ((monitor$ same (avail$4 or status)) and (email or e-mail or electronic mail) near4 server)	709
☐	L27	L26 and (370/338).ccls.	0
☐	L26	L24 and 709/2$$.ccls.	33
☐	L25	L24 and (709/206).ccls.	5
☐	L24	L22 and (convert$ or chang$) same (pic or picture or image$) and (warn$ or inform$)	75
☐	L23	L22 and (convert$ or chang$) same (pic or picture or image$)	75
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☐	L11	L9 and 705/1$.ccls.	10
☐	L10	L9 and 709/2$$.ccls.	48
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☐	L7	(email or e-mail or electronic mail) same (sent or delivered) same (manipulat$ or modify$4 or edit$4) and header$ and body and address$2 and (network or internet) and (rout$4 same modification)	7
☐	L6	L5 and (709/206).ccls.	42
☐	L5	(email or e-mail or electronic mail) same (sent or delivered) same (manipulat$ or modify$4 or edit$4) and header$ and body and address$2 and (network or internet)	122
☐	L4	L2 and (709/206).ccls.	95
☐	L3	client and server	30261
☐	L2	(email or e-mail or electronic mail) same (sent or delivered) same (manipulat$ or modify$4 or edit$4)	503
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IEE CNF	IEE Conference Proceeding
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1. **Novel applications of cryptography in digital communications**
Omura, J.K.;
Communications Magazine, IEEE
Volume 28, Issue 5, May 1990 Page(s):21 - 29
Digital Object Identifier 10.1109/35.54344
AbstractPlus | Full Text: PDF(1008 KB) IEEE JNL

2. **A survey of encryption standards**
Kaliski, B.;
Micro, IEEE
Volume 13, Issue 6, Dec. 1993 Page(s):74 - 81
Digital Object Identifier 10.1109/40.248057
AbstractPlus | Full Text: PDF(664 KB) IEEE JNL

3. **Formal development of secure email**
Dan Zhou; Kuo, J.C.; Older, S.; Chin, S.K.;
System Sciences, 1999. HICSS-32. Proceedings of the 32nd Annual Hawaii In Conference on
Volume Track3, 5-8 Jan. 1999 Page(s):10 pp.
Digital Object Identifier 10.1109/HICSS.1999.772903
AbstractPlus | Full Text: PDF(140 KB) IEEE CNF

4. **The trustworthy digital camera: restoring credibility to the photographic i**
Friedman, G.L.;
Consumer Electronics, IEEE Transactions on
Volume 39, Issue 4, Nov 1993 Page(s):905 - 910
Digital Object Identifier 10.1109/30.267415
AbstractPlus | Full Text: PDF(460 KB) IEEE JNL

5. **Trials of wireless, secure electronic mail**
Smith, D.R.; Simon, S.D.; Cautilli, L.E.;
Personal Communications, IEEE [see also IEEE Wireless Communications]
Volume 2, Issue 4, Aug. 1995 Page(s):28 - 33
Digital Object Identifier 10.1109/98.403455
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6. **A framework for tamper detection marking of mobile applications**

Jochen, M.; Marvel, L.M.; Pollock, L.L.;
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17-20 Nov. 2003 Page(s):143 - 153
Digital Object Identifier 10.1109/ISSRE.2003.1251038

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Yoshida, K.; Adachi, F.; Washio, T.; Motoda, H.; Homma, T.; Nakashima, A.; F
Yamazaki, K.;
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31 Jan.-4 Feb. 2005 Page(s):370 - 376
Digital Object Identifier 10.1109/SAINT.2005.38

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☐ **8. Certified exchange of electronic mail (CEEM)**
Al-Hammadi, B.; Shahsavari, M.;
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Digital Object Identifier 10.1109/SECON.1999.766087

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☐ **9. Secure E-mail protocols providing perfect forward secrecy**
Hung-Min Sun; Bin-Tsan Hsieh; Hsin-Jia Hwang;
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Volume 9, Issue 1, Jan 2005 Page(s):58 - 60
Digital Object Identifier 10.1109/LCOMM.2005.01004

AbstractPlus | Full Text: PDF(451 KB) **IEEE JNL**

☐ **10. Securing e-mail with identity-based encryption**
McCullagh, N.;
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Volume 7, Issue 3, May-June 2005 Page(s):64, 61 - 63
Digital Object Identifier 10.1109/MITP.2005.70

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☐ **11. Security-enhanced mailing lists**
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Network, IEEE
Volume 11, Issue 3, May-June 1997 Page(s):30 - 33
Digital Object Identifier 10.1109/65.587047

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☐ **12. Merging and extending the PGP and PEM trust models-the ICE-TEL trust**
Chadwick, D.W.; Young, A.J.; Cicovic, N.K.;
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Wang, J.T.-L.; Chia-Yo Chang;
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Sirbu, M.A.;

Spectrum, IEEE
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Khare, R.;
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Digital Object Identifier 10.1109/4236.722234

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Intelligent Systems and Their Applications, IEEE [see also IEEE Intelligent Sys
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Digital Object Identifier 10.1109/MIC.2004.1273489

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Dent, A.W.;
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Digital Object Identifier 10.1109/C5.2005.30

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Gupta, A.; DuVarney, D.C.;
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6-10 Dec. 2004 Page(s):116 - 125
Digital Object Identifier 10.1109/CSAC.2004.47

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☐ **24. Experience with evaluating human-assisted recovery processes**
Brown, A.B.; Chung, L.; Kakes, W.; Ling, C.; Patterson, D.A.;
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☐ **25. Morphologic non-word error detection**
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Digital Object Identifier 10.1109/DEXA.2004.1333445

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26. **Design and implementation of smartcard-based secure e-mail communic**
Hsien-Hau Chen; Yung-Sheng Chen; Hsia-Ling Chiang; Chung-Huang Yang;
Security Technology, 2003. Proceedings. IEEE 37th Annual 2003 Internationa Conference on
14-16 Oct. 2003 Page(s):225 - 231
Digital Object Identifier 10.1109/CCST.2003.1297564
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27. **Incorporating dynamic behavior in SMTP**
Siddiqui, S.A.; Alvi, J.A.;
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Volume 4, 15-17 Oct. 2003 Page(s):1293 - 1297 Vol.4
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28. **A certified e-mail protocol suitable for mobile environments**
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29. **A historic name-trail service**
Maniatis, P.; Baker, M.;
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31. **Secure and resilient peer-to-peer e-mail design and implementation**
Kangasharju, J.; Ross, K.W.; Turner, D.A.;

Peer-to-Peer Computing, 2003. (P2P 2003). Proceedings. Third International C
1-3 Sept. 2003 Page(s):184 - 191

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Parallel and Distributed Processing Symposium, 2003. Proceedings. Internatic
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Wang Zhimin; Jia Xiaolin;
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☐ **34. IPSec overhead in wireline and wireless networks for Web and email app**
Hadjichristofi, G.C.; Davis, N.J., IV; Midkiff, S.F.;
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Griffin, W.; Mundy, R.; Weiler, S.; Massey, D.; Vora, N.;
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Byung-Gil Lee; Doo-Ho Choi; Hyun-Gon Kim; Seung-Won Sohn; Kil-Houm Pa
Telecommunications, 2003. ICT 2003. 10th International Conference on
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Blundo, C.; Cimato, S.; De Prisco, R.;
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Security Technology, 1998. Proceedings., 32nd Annual 1998 International Car
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Digital Object Identifier 10.1109/CCST.1998.723772

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1 Dealing with server corruption in weakly consistent replicated data systems

Mike J. Spreitzer, Marvin M. Theimer, Karin Petersen, Alan J. Demers, Douglas B. Terry

October 1999 **Wireless Networks**, Volume 5 Issue 5

Publisher: Kluwer Academic Publishers

Full text available: pdf(180.10 KB) Additional Information: full citation, references, index terms

2 Manageability, availability, and performance in porcupine: a highly scalable, cluster-based mail service

Yasushi Saito, Brian N. Bershad, Henry M. Levy

August 2000 **ACM Transactions on Computer Systems (TOCS)**, Volume 18 Issue 3

Publisher: ACM Press

Full text available: pdf(2.52 MB) Additional Information: full citation, abstract, references, index terms

This paper describes the motivation, design and performance of Porcupine, a scalable mail server. The goal of Porcupine is to provide a highly available and scalable electronic mail service using a large cluster of commodity PCs. We designed Porcupine to be easy to manage by emphasizing dynamic load balancing, automatic configuration, and graceful degradation in the presence of failures. Key to the system's manageability, availability, and performance is that sessions, data, and underlying ...

Keywords: cluster, distributed systems, email, group membership protocol, load balancing, replication

3 Lazy replication: exploiting the semantics of distributed services

Rivka Ladin, Barbara Liskov, Liuba Shrira

August 1990 **Proceedings of the ninth annual ACM symposium on Principles of distributed computing**

Publisher: ACM Press

Full text available: pdf(2.01 MB) Additional Information: full citation, references, citings, index terms

4 Ticket based service access for the mobile user

Bhrat Patel, Jon Crowcroft
September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**
Publisher: ACM Press
Full text available: pdf(1.52 MB) Additional Information: full citation, references, citings, index terms

5 Providing high availability using lazy replication
Rivka Ladin, Barbara Liskov, Liuba Shrira, Sanjay Ghemawat
November 1992 **ACM Transactions on Computer Systems (TOCS)**, Volume 10 Issue 4
Publisher: ACM Press
Full text available: pdf(2.46 MB) Additional Information: full citation, abstract, references, citings, index terms, review

To provide high availability for services such as mail or bulletin boards, data must be replicated. One way to guarantee consistency of replicated data is to force service operations to occur in the same order at all sites, but this approach is expensive. For some applications a weaker causal operation order can preserve consistency while providing better performance. This paper describes a new way of implementing causal operations. Our technique also supports two other kinds of operations: ...

Keywords: client/server architecture, fault tolerance, group communication, high availability, operation ordering, replication, scalability, semantics of application

6 Dealing with server corruption in weakly consistent, replicated data systems
Mike J. Spreitzer, Marvin M. Theimer, Karin Petersen, Alan J. Demers, Douglas B. Terry
September 1997 **Proceedings of the 3rd annual ACM/IEEE international conference on Mobile computing and networking**
Publisher: ACM Press
Full text available: pdf(1.14 MB) Additional Information: full citation, references, citings, index terms

7 Manageability, availability and performance in Porcupine: a highly scalable, cluster-based mail service
Yasushi Saito, Brian N. Bershad, Henry M. Levy
December 1999 **ACM SIGOPS Operating Systems Review , Proceedings of the seventeenth ACM symposium on Operating systems principles SOSP '99**, Volume 33 Issue 5
Publisher: ACM Press
Full text available: pdf(1.62 MB) Additional Information: full citation, abstract, references, citings, index terms

This paper describes the motivation, design, and performance of Porcupine, a scalable mail server. The goal of Porcupine is to provide a highly available and scalable electronic mail service using a large cluster of commodity PCs. We designed Porcupine to be easy to manage by emphasizing dynamic load balancing, automatic configuration, and graceful degradation in the presence of failures. Key to the system's manageability, availability, and performance is that sessions, data, and underlying serv ...

8 Unlinkable serial transactions: protocols and applications
Stuart G. Stubblebine, Paul F. Syverson, David M. Goldschlag
November 1999 **ACM Transactions on Information and System Security (TISSEC)**, Volume 2 Issue 4
Publisher: ACM Press

Full text available: pdf(184.87 KB) Additional Information: full citation, abstract, references, citings, index terms, review

We present a protocol for unlinkable serial transactions suitable for a variety of network-based subscription services. It is the first protocol to use cryptographic blinding to enable subscription services. The protocol prevents the service from tracking the behavior of its customers, while protecting the service vendor from abuse due to simultaneous or cloned use by a single subscriber. Our basic protocol structure and recovery protocol are robust against failure in protocol termination. ...

Keywords: anoymity, blinding, cryptographic protocols, unlinkable serial transactions

9 The state of the art in locally distributed Web-server systems

Valeria Cardellini, Emiliano Casalicchio, Michele Colajanni, Philip S. Yu
June 2002 **ACM Computing Surveys (CSUR)**, Volume 34 Issue 2
Publisher: ACM Press

Full text available: pdf(1.41 MB) Additional Information: full citation, abstract, references, citings, index terms

The overall increase in traffic on the World Wide Web is augmenting user-perceived response times from popular Web sites, especially in conjunction with special events. System platforms that do not replicate information content cannot provide the needed scalability to handle large traffic volumes and to match rapid and dramatic changes in the number of clients. The need to improve the performance of Web-based services has produced a variety of novel content delivery architectures. This article w ...

Keywords: Client/server, World Wide Web, cluster-based architectures, dispatching algorithms, distributed systems, load balancing, routing mechanisms

10 An architecture for secure wide-area service discovery

Todd D. Hodes, Steven E. Czerwinski, Ben Y. Zhao, Anthony D. Joseph, Randy H. Katz
March 2002 **Wireless Networks**, Volume 8 Issue 2/3
Publisher: Kluwer Academic Publishers

Full text available: pdf(365.68 KB) Additional Information: full citation, abstract, references, citings, index terms

The widespread deployment of inexpensive communications technology, computational resources in the networking infrastructure, and network-enabled end devices poses an interesting problem for end users: how to locate a particular network service or device out of hundreds of thousands of accessible services and devices. This paper presents the architecture and implementation of a secure wide-area Service Discovery Service (SDS). Service providers use the SDS to advertise descriptions of available ...

Keywords: location services, name lookup, network protocols, service discovery

11 The architecture of robust publishing systems

Marc Waldman, Aviel D. Rubin, Lorrie Faith Cranor
November 2001 **ACM Transactions on Internet Technology (TOIT)**, Volume 1 Issue 2
Publisher: ACM Press

Full text available: pdf(680.21 KB) Additional Information: full citation, abstract, references, index terms

The Internet in its present form does not protect content from censorship. It is straightforward to trace any document back to a specific Web server, and usually directly to an individual. As we discuss below, there are valid reasons for publishing a document in

a censorship-resistant manner. Unfortunately, few tools exist that facilitate this form of publishing. We describe the architecture of robust systems for publishing content on the Web. The discussion is in the context of Publius, as that ...

Keywords: Censorship resistance, Web publishing

12 Rover: a toolkit for mobile information access

A. D. Joseph, A. F. de Lespinasse, J. A. Tauber, D. K. Gifford, M. F. Kaashoek
December 1995 **ACM SIGOPS Operating Systems Review , Proceedings of the fifteenth ACM symposium on Operating systems principles SOSP '95**, Volume 29 Issue 5
Publisher: ACM Press
Full text available: pdf(2.18 MB) Additional Information: full citation, references, citings, index terms

13 BIBDB: a bibliographic database for collaboration

David J. Musliner, James W. Dolter, Kang G. Shin
December 1992 **Proceedings of the 1992 ACM conference on Computer-supported cooperative work**
Publisher: ACM Press
Full text available: pdf(935.84 KB) Additional Information: full citation, references, index terms

Keywords: bibliographic databases, collaborative writing, distributed & replicated databases, incremental indexing, partial locking, relaxed consistency

14 Practical byzantine fault tolerance and proactive recovery

Miguel Castro, Barbara Liskov
November 2002 **ACM Transactions on Computer Systems (TOCS)**, Volume 20 Issue 4
Publisher: ACM Press
Full text available: pdf(1.63 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Our growing reliance on online services accessible on the Internet demands highly available systems that provide correct service without interruptions. Software bugs, operator mistakes, and malicious attacks are a major cause of service interruptions and they can cause arbitrary behavior, that is, Byzantine faults. This article describes a new replication algorithm, BFT, that can be used to build highly available systems that tolerate Byzantine faults. BFT can be used in practice to implement re ...

Keywords: Byzantine fault tolerance, asynchronous systems, proactive recovery, state machine replication, state transfer

15 A survey of peer-to-peer content distribution technologies

Stephanos Androutsellis-Theotokis, Diomidis Spinellis
December 2004 **ACM Computing Surveys (CSUR)**, Volume 36 Issue 4
Publisher: ACM Press
Full text available: pdf(517.77 KB) Additional Information: full citation, abstract, references, index terms

Distributed computer architectures labeled "peer-to-peer" are designed for the sharing of computer resources (content, storage, CPU cycles) by direct exchange, rather than requiring the intermediation or support of a centralized server or authority. Peer-to-peer

architectures are characterized by their ability to adapt to failures and accommodate transient populations of nodes while maintaining acceptable connectivity and performance.Content distribution is an important peer-to-peer application ...

Keywords: Content distribution, DHT, DOLR, grid computing, p2p, peer-to-peer

16 Programming languages for distributed computing systems

Henri E. Bal, Jennifer G. Steiner, Andrew S. Tanenbaum
September 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 3
Publisher: ACM Press

Full text available: pdf(6.50 MB) Additional Information: full citation, abstract, references, citings, index terms, review

When distributed systems first appeared, they were programmed in traditional sequential languages, usually with the addition of a few library procedures for sending and receiving messages. As distributed applications became more commonplace and more sophisticated, this ad hoc approach became less satisfactory. Researchers all over the world began designing new programming languages specifically for implementing distributed applications. These languages and their history, their underlying pr ...

17 On-line e-wallet system with decentralized credential keepers

Stig Frode Mjølsnes, Chunming Rong
February 2003 **Mobile Networks and Applications**, Volume 8 Issue 1
Publisher: Kluwer Academic Publishers
Full text available: pdf(240.23 KB) Additional Information: full citation, abstract, references, index terms

We propose a generalization of the architecture of an electronic wallet, as first developed in the seminal European research project CAFE. With this model you can leave most of the content of your electronic wallet at the security of your residential electronic keeper, while roaming with your favorite mobile terminals. Emerging mobile handsets with both short range Bluetooth and cellular GPRS communications provide a sufficient communication platform for this electronic wallet architecture. Howe ...

Keywords: digital credentials, e-wallet architecture, mobile commerce, payment protocols, privacy

18 Defending against an Internet-based attack on the physical world

Simon Byers, Aviel D. Rubin, David Kormann
November 2002 **Proceedings of the 2002 ACM workshop on Privacy in the Electronic Society**
Publisher: ACM Press
Full text available: pdf(201.19 KB) Additional Information: full citation, abstract, references, index terms

We discuss the dangers that scalable Internet functionality may present to the real world, focusing on a simple yet impactful attack that we believe may occur quite soon. We offer and critique various solutions to this class of attack and hope to provide a warning to the Internet community of what is currently possible. The attack is, to some degree, a consequence of the availability of private information on the Web, and the increase in the amount of personal information that users must reveal ...

Keywords: Internet Threats, automated attacks, computer security, comuter security, cybercrime, internet threats

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Defending against an Internet-based attack on the physical world
Simon Byers, Aviel D. Rubin, David Kormann
August 2004 **ACM Transactions on Internet Technology (TOIT)**, Volume 4 Issue 3
Publisher: ACM Press
Full text available: pdf(863.61 KB) Additional Information: full citation, abstract, references, index terms

We discuss the dangers that scalable Internet functionality may present to the real world, focusing upon an attack that is simple, yet can have great impact, which we believe may occur quite soon. We offer and critique various solutions to this class of attack and hope to provide a warning to the Internet community of what is currently possible. The attack is, to some degree, a consequence of the availability of private information on the Web, and the increase in the amount of personal informati ...

Keywords: Internet threats, automated attacks, cybercrime

20 The session token protocol for forensics and traceback
Brian Carrier, Clay Shields
August 2004 **ACM Transactions on Information and System Security (TISSEC)**, Volume 7 Issue 3
Publisher: ACM Press
Full text available: pdf(331.18 KB) Additional Information: full citation, abstract, references, index terms

In this paper we present the Session Token Protocol (STOP), a new protocol that can assist in the forensic analysis of a computer involved in malicious network activity. It has been designed to help automate the process of tracing attackers who log on to a series of hosts to hide their identity. STOP utilizes the Identification Protocol infrastructure, improving both its capabilities and user privacy. On request, the STOP protocol saves user-level and application-level data associated with a par ...

Keywords: Digital forensics, TCP traceback, auditing and intrusion detection, digital investigations, privacy

RESULT LIST
0 results found in the Worldwide database for:
email and duplication in the title
(Results are sorted by date of upload in database)

Data supplied from the ***esp@cenet*** database - Worldwide

RESULT LIST
1 result found in the Worldwide database for:
electronic mail and similar in the title
(Results are sorted by date of upload in database)

1 Filtering electronic mail using information about similar messages

Inventor: WARREN-SMITH RODNEY FREDERICK (GB); SZALAY AKOS (GB)
Applicant: SOPHOS PLC (GB)
EC: H04L12/58F
IPC: ***H04L12/58***; **H04L12/58**; (IPC1-7): G06F17/60 (+1)
Publication info: **GB2405229** - 2005-02-23

Data supplied from the ***esp@cenet*** database - Worldwide

RESULT LIST
1 result found in the Worldwide database for:
electronic mail and duplicate in the title
(Results are sorted by date of upload in database)

1 **Method and apparatus to avoid duplicate electronic mail documents resulting from forwarding of an electronic mail document**

Inventor: PEREPA BHARGAV V (US); PEREPA SUJATHA (US); (+2) **Applicant:** IBM (US)

EC: **IPC:** ***G06F3/00; G06F15/16***; **G06F3/00** (+3)

Publication info: **US2005198579** - 2005-09-08

Data supplied from the ***esp@cenet*** database - Worldwide